

ABSTRACT

The present invention aims to provide a communication satellite facility and a satellite communication system adapted to respond flexibly to development and change of communication technologies occurring on the ground even after satellites have been launched. This object is achieved, according to the invention, by a system comprising a first satellite having antenna function, a second satellite having modem function and a third satellite having server function all of which are launched into one and same slot of geosynchronous orbit and connected one to another by wideband intersatellite communication. A ground station connected to a ground network communicates with the first satellite.